

National Aeronautics and  
Space Administration

**Glenn Research Center**  
**Lewis Field**  
Cleveland, Ohio 44135-3191



## **Materials Engineer Student Trainee Position**

Research and Technology Directorate (5000)  
NASA Glenn Research Center, Cleveland, OH

**Job Description:** Co-op student will perform Materials Engineering and Science duties with rotation into various branches in the Research and Technology Directorate (5000), such as the Ceramics Branch (5130), the Environmental Durability Branch (5160), the Electrochemistry Branch (5420) and Electro-Physics Branch (5480), the Sensors and Electronics Technology Branch (5510). The student will work closely with researchers in some of these branches to develop and test advanced materials for high temperature propulsion, power and instrumentation applications. The student will perform experimental and computational research, which may include developing ceramic and ceramic matrix composite materials for high temperature applications, environmental protective coatings, computational materials modeling, nanotechnology, materials for electrochemistry, fuel cell, and battery applications, and electronic materials. Complexity of the materials development or evaluation tasks will increase as the student gains experience.

**Length of Position:** Alternating quarters/semesters until graduation.

**Job Openings:** 2 position available

**Eligibility:** Junior and/or Senior in Materials Science or Engineering,  
Chemical Engineering, Physics  
Minimum entry GPA 3.0 (4.0 scale)  
United States Citizen  
Enrolled as a full-time student  
Enrolled in university's co-op program  
Must be recommended by appropriate staff member at  
University.

**Salary Range:** \$10.18 - \$15.83 per hour (based on 2004 salary table)

**Closing Date:** Until filled

**Send resumes to:** Ms. Lynda Glover, MS 500-301  
Cooperative Education Coordinator  
NASA Glenn Research Center  
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Cleveland, OH 44135-3191  
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